

SEQUENCE LISTING

<110> Hu, Jin-Shan
Craig, Rosen
Cao, Liang

<120> Vascular Endothelial Growth Factor-2

<130> PF112P3D1C1

<140> 09/935,726

<141> 2001-08-24

<150> 09/438,538

<151> 1999-11-12

<160> 35

<170> PatentIn version 3.0

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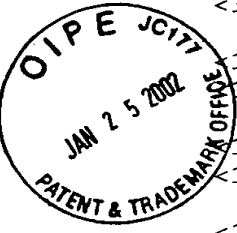
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20020125

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 Lys Thr Cys Pro Thr Asn Tyr Met Trp Asn Asn His Ile Cys Arg Cys
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 Ser Tyr Leu Ser Lys Thr Leu Phe Glu Ile Thr Val Pro Leu Ser Gln
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 Cys Thr Gly Cys Cys Asn Thr Ser Ser Val Lys Cys Gln Pro Ser Arg
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 Val His His Arg Ser Val Lys Val Ala Lys Val Glu Tyr Val Arg Lys
 145 150 155 160
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 Thr Asp Val Arg
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 His Gly Asp Pro Gly Glu Glu Asp Gly Ala Glu Leu Asp Leu Asn Met
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 Ser Leu Pro Gly Pro His Pro Cys Gly Pro Cys Ser Glu Arg Arg Lys
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ggcggcggtg gaatcgaaat ctctgatgg caggttgggc gtcgcttggt cggtcatttc 2700
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gaatcgggag cggcgatacc gtaaagcacg aggaagcggc cagcccatc gccgccaagc 2820
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cggccacagt cgatgaatcc agaaaagcgg ccattttcca ccatgatatt cggcaagcag 2940
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gaacctgcgt gcaatccatc ttgttcaatc atgcgaaacg atcctcatcc tgtctcttga 3540
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cctgagtgtc tgcggcagcg tgaagcttaa aaaactgcaa aaaatagttt gacttgtgag 3900
cggataacaa ttaagatgta cccaattgtg agcggataac aatttcacac attaaagagg 3960
agaaattaca tatg 3974

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<210> 17
<211> 112
<212> DNA
<213> Artificial sequence

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<220>
<221> promoter
<222> (1)..(112)
<223> pHE4a promoter

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<400> 17
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caattgtgag cggataacaa tttcacacat taaagaggag aaattacata tg 112

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<210> 18
 <211> 419
 <212> PRT
 <213> Homo sapiens

<400> 18

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			20					25						30			
Glu	Ser	Gly	Leu	Asp	Leu	Ser	Asp	Ala	Glu	Pro	Asp	Ala	Gly	Glu	Ala		
		35					40					45					
Thr	Ala	Tyr	Ala	Ser	Lys	Asp	Leu	Glu	Glu	Gln	Leu	Arg	Ser	Val	Ser		
	50					55						60					
Ser	Val	Asp	Glu	Leu	Met	Thr	Val	Leu	Tyr	Pro	Glu	Tyr	Trp	Lys	Met		
	65				70					75					80		
Tyr	Lys	Cys	Gln	Leu	Arg	Lys	Gly	Gly	Trp	Gln	His	Asn	Arg	Glu	Gln		
			85						90					95			
Ala	Asn	Leu	Asn	Ser	Arg	Thr	Glu	Glu	Thr	Ile	Lys	Phe	Ala	Ala	Ala		
			100					105					110				
His	Tyr	Asn	Thr	Glu	Ile	Leu	Lys	Ser	Ile	Asp	Asn	Glu	Trp	Arg	Lys		
		115					120					125					
Thr	Gln	Cys	Met	Pro	Arg	Glu	Val	Cys	Ile	Asp	Val	Gly	Lys	Glu	Phe		
	130					135					140						
Gly	Val	Ala	Thr	Asn	Thr	Phe	Phe	Lys	Pro	Pro	Cys	Val	Ser	Val	Tyr		
	145				150					155					160		
Arg	Cys	Gly	Gly	Cys	Cys	Asn	Ser	Glu	Gly	Leu	Gln	Cys	Met	Asn	Thr		
				165					170					175			
Ser	Thr	Ser	Tyr	Leu	Ser	Lys	Thr	Leu	Phe	Glu	Ile	Thr	Val	Pro	Leu		
			180					185					190				
Ser	Gln	Gly	Pro	Lys	Pro	Val	Thr	Ile	Ser	Phe	Ala	Asn	His	Thr	Ser		
		195					200					205					
Cys	Arg	Cys	Met	Ser	Lys	Leu	Asp	Val	Tyr	Arg	Gln	Val	His	Ser	Ile		
	210					215					220						
Ile	Arg	Arg	Ser	Leu	Pro	Ala	Thr	Leu	Pro	Gln	Cys	Gln	Ala	Ala	Asn		
	225				230					235					240		
Lys	Thr	Cys	Pro	Thr	Asn	Tyr	Met	Trp	Asn	Asn	His	Ile	Cys	Arg	Cys		
				245					250					255			
Leu	Ala	Gln	Glu	Asp	Phe	Met	Phe	Ser	Ser	Asp	Ala	Gly	Asp	Asp	Ser		
			260					265					270				
Thr	Asp	Gly	Phe	His	Asp	Ile	Cys	Gly	Pro	Asn	Lys	Glu	Leu	Asp	Glu		
		275					280					285					
Glu	Thr	Cys	Gln	Cys	Val	Cys	Arg	Ala	Gly	Leu	Arg	Pro	Ala	Ser	Cys		
	290					295					300						
Gly	Pro	His	Lys	Glu	Leu	Asp	Arg	Asn	Ser	Cys	Gln	Cys	Val	Cys	Lys		

305		310		315		320
Asn Lys Leu Phe Pro Ser Gln Cys Gly Ala Asn Arg Glu Phe Asp Glu						
	325			330		335
Asn Thr Cys Gln Cys Val Cys Lys Arg Thr Cys Pro Arg Asn Gln Pro						
	340			345		350
Leu Asn Pro Gly Lys Cys Ala Cys Glu Cys Thr Glu Ser Pro Gln Lys						
	355			360		365
Cys Leu Leu Lys Gly Lys Lys Phe His His Gln Thr Cys Ser Cys Tyr						
	370			375		380
Arg Arg Pro Cys Thr Asn Arg Gln Lys Ala Cys Glu Pro Gly Phe Ser						
	385			390		400
Tyr Ser Glu Glu Val Cys Arg Cys Val Pro Ser Tyr Trp Gln Arg Pro						
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Gln Met Ser

<210> 19
 <211> 30
 <212> DNA
 <213> Artificial sequence

<220>
 <221> primer_bind
 <222> (1)..(30)
 <223> 5' PCR primer

<400> 19
 gcagcacata tgacagaaga gactataaaa

30

<210> 20
 <211> 30
 <212> DNA
 <213> Artificial sequence

<220>
 <221> primer_bind
 <222> (1)..(30)
 <223> 3' PCR primer

<400> 20
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<210> 21
 <211> 30
 <212> DNA
 <213> Artificial sequence

<220>
 <221> primer_bind
 <222> (1)..(30)
 <223> 3' PCR primer

<400> 21
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<210> 22
 <211> 30
 <212> DNA
 <213> Artificial sequence

 <220>
 <221> primer_bind
 <222> (1)..(30)
 <223> 5' PCR primer

 <400> 22
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<210> 23
 <211> 30
 <212> DNA
 <213> Artificial sequence

 <220>
 <221> primer_bind
 <222> (1)..(30)
 <223> 3' PCR primer

 <400> 23
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30

<210> 24
 <211> 39
 <212> DNA
 <213> Artificial sequence

 <220>
 <221> primer_bind
 <222> (1)..(39)
 <223> 5' PCR primer

 <400> 24
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39

<210> 25
 <211> 36
 <212> DNA
 <213> Artificial sequence

 <220>
 <221> primer_bind
 <222> (1)..(36)
 <223> 5' PCR primer

 <400> 25
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36

<210> 26
 <211> 55
 <212> DNA
 <213> Artificial sequence

 <220>
 <221> primer_bind

<222> (1)..(55)
 <223> 5' PCR primer

 <400> 26
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 <210> 27
 <211> 39
 <212> DNA
 <213> Artificial sequence

 <220>
 <221> primer_bind
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 <223> 3' PCR primer

 <400> 27
 gcagggtacg gacccatgc actcgctggg cttcttctc 39

 <210> 28
 <211> 39
 <212> DNA
 <213> Artificial sequence

 <220>
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 <400> 28
 gactggatcc gccaccatgc actcgctggg cttcttctc 39

 <210> 29
 <211> 35
 <212> DNA
 <213> Artificial sequence

 <220>
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 <223> 3' PCR primer

 <400> 29
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 <210> 30
 <211> 39
 <212> DNA
 <213> Artificial sequence

 <220>
 <221> primer_bind
 <222> (1)..(39)
 <223> 5' PCR primer

 <400> 30
 gactggatcc gccaccatgc actcgctggg cttcttctc 39

 <210> 31

<211> 34
<212> DNA
<213> Artificial sequence

<220>
<221> primer_bind
<222> (1)..(34)
<223> 3' PCR primer

<400> 31
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34

<210> 32
<211> 39
<212> DNA
<213> Artificial sequence

<220>
<221> primer_bind
<222> (1)..(39)
<223> 5' PCR primer

<400> 32
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39

<210> 33
<211> 37
<212> DNA
<213> Artificial sequence

<220>
<221> primer_bind
<222> (1)..(37)
<223> 3' PCR primer

<400> 33
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37

<210> 34
<211> 38
<212> DNA
<213> Artificial sequence

<220>
<221> primer_bind
<222> (1)..(38)
<223> 5' PCR primer

<400> 34
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38

<210> 35
<211> 37
<212> DNA
<213> Artificial sequence

<220>
<221> primer_bind
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<223> 3' PCR primer

[illegible]

20